



Electronics II

Lecture 01 Introduction & Overview of Course

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Session Overview

Topic	Introduction & Overview of Course
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Introduction

- The aim of this course is to introduce the students to the advanced concepts of electronics.
- The main objective of this course is to understand and implement the advanced electronic circuits such as amplifiers etc with the help of theoretical and practical problem solving.
- It is required from the students to understand the analog electronic circuits which in turn are used as the building blocks of the larger and more complex systems.



Help & Information

- All the information regarding course such as course outline, schedule etc are announced on the course website, <http://electronics-2.weebly.com/>
- The course staff can be contacted for queries during the lectures, labs and consultation hours.
- Consultation hours for the course staff are mentioned in their contact information. Any special appointments can be made by email. Queries can be sent through the course home page.
- It's better to mention your problem area in an advance email so that your queries are addressed in a best possible way.



Course Staff

- Lecturer & Examiner
 - Mr. Muhammad Tilal
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 - **Office:** Lab Room, DLD/MP Lab
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 - **Consultation Hours:** Determined later.

- Lab Engineer & Examiner
 - Mr. Hasan Saeed Qazi
 - **Contact Information:** +92- 57- 921 63 30 – 1.
 - **Email:** hasanqazi@ciit-attock.edu.pk.
 - **Office:** ECA/Electronics Lab
Department of Electrical Engineering, CIIT Attock, Pakistan.
 - **Consultation Hours:** Determined later.



Pre- Requisite & Course Material

- Pre- requisite
 - Electronics-I (Course Code: EEE 231)

- Course Book(s)
 - Robert L. Boylestad, *Electronic Devices and Circuit Theory*, 8th Edition, Pearson Education Inc, ISBN: 81-7808-590-9.
 - Theodore F. Bogart, Jeffery S. Beasley, Guillermo Rico, *Electronics Devices and Circuits*, 6th Edition, Pearson Education Inc, ISBN: 978-81-775-8887-3
 - Thomas L. Floyd, *Electronic Devices (Conventional Current Version)*, 7th Edition, Pearson Education Inc, ISBN: 978- 81- 7758- 643- 5.



Lectures

- The objective of the lecture is to highlight the most important parts of the course.
- Approach to certain topics might be different from that followed in the book so it is advised to go through the corresponding sections.
- Lectures and labs are scheduled in a way to aid each other in the subsequent manner. In order to have a good command over the laboratory experiments, it is advised to go through the preceding lecture before the laboratory.
- Lectures in pdf format will be uploaded at least one day before the lecture so that you can have your own copy before the lecture. Lecture can be downloaded from the course home page.



Assignments

- **Assignments**
 - There will be at least 4 assignments, each consisting of 25 points. The collective contribution of assignments towards the final grade is 10% of the total points.
 - Assignments will include short conceptual questions and numerical problems.
 - All the assignments must be submitted to the class representative at least 10 minutes before the deadline and the class representative will submit the collected assignments by the dead line. Individual submission of assignment will not be submitted.
 - All the assignments must be done and submitted individually unless stated otherwise. Copying and plagiarism can cause the cancellation of assignments, 0 points and disciplinary action, whichever is deemed necessary by the instructor.



Quizzes

- **Quizzes**
 - There will be at least 6 quizzes, each consisting of 10 points. The collective contribution of quizzes towards the final grade is 15% of the total points.
 - The format and timing of quizzes will not be defined in advance.



Sessionals and End Semester Exam

- **Sessionals and End Semester Exam**
 - There will be 2 sessionals during the semester. The collective contribution of sessionals towards the final grade is 25% of the total points.
 - Each sessional will have Multiple Choice Questions(MCQs), Short conceptual questions and numerical problems.
 - There will be an end semester examination by the end of semester comprising of 100 points and contributing 50% of the total points, for determination of final grades. The format for the end semester exam will be same as that of sessionals.



Grading

- The grading criteria will be as per CIIT policies.
- The percentage of different elements towards the final grades is
 - Quizzes : 15 %.
 - Assignments : 10 %.
 - Sessional 01 : 10 %.
 - Sessional 02 : 15 %.
 - Final Exam : 50 % .
- The lab grading will be explained in detail by lab engineer.
- The final grades will be decided according to the total marks calculated by formula given as under

Total Marks = (A + B)/ Course Credit Hours

where A = Total Marks in Theory* Theory Credit Hours.

B = Total Marks in Laboratory* Laboratory Credit Hours.



Some Important Points

- **Assignments**
 - Be precise in making the assignments and avoid unnecessary details.
 - Assignments might be submitted in handwritten or typed format depending upon the type of assignment unless stated otherwise.
 - In case the assignment is submitted in the typed format, it must be formatted properly. Bad or no formatting can reduce the points (even to 0).
 - Don't copy the assignments. Copying and plagiarism will be dealt strictly leading to a minimum of 0 points.
 - Solved assignments have to be submitted to the class representative by due date and no assignment will be accepted individually. Failure to submit the assignment by due date will lead to the assignment score of 0 points.



Some Important Points

- Do not use any paper except a plain A4 size printer paper for solving the assignments in order to achieve uniformity.
- **Quizzes**
 - Quizzes will **NOT** be announced in advance.
 - Being absent on the quiz day will be awarded 0 marks and quiz will not be conducted again so be careful to ensure your presence in the class.



Course Homepage

- A course homepage is in place for this course in order to facilitate the students so it is advised to visit the homepage regularly for updates.
 - <http://electronics-2.weebly.com/>
- All the documents will be uploaded on this homepage. These documents include
 - Lectures.
 - Assignments.
 - Quizzes.
 - Supporting Documents.
- This homepage also has a “Queries” tab, from where you can send the queries to the course staff. It is recommended to use this tab for normal queries.